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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/712,351
	Filing Date	November 13, 2003
	First Named Inventor	Xueping Xu
	Group Art Unit	1775
	Examiner Name	TBA
Total Number of Pages in This Submission		Attorney Docket Number ATMI-685

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
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Firm or Individual name	William F. Ryann, Reg. No. 44,313
Signature	
Date	3/4/04

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ATMI-685
Customer ID No.: 25559

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Xueping Xu, et al.

Group Art Unit: 1775

U.S. Application No.: 10/712,351

Examiner: TBA

Filed: November 13, 2003

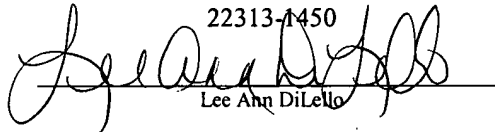
Title: Large Area, Uniformly Low Dislocation Density GaN Substrate and Process for Making the Same

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March 4, 2004

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
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Sir:

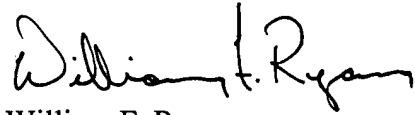
Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required in accordance with 37 CFR § 1.56 and § 1.97(b).

- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was the first citation of such item by a foreign patent office in a counterpart foreign application, which occurred no more than three months prior to filing the Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
- ☐ c. Attached is our check no. ____ in the amount of \$180 in payment of the fee under 37 C.F.R. §1.17(p). Please credit or debit Deposit Account No. 50-0860 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check no. ____ in the amount of \$130.00 in payment of the petition fee under 37 C.F.R. §1.17(i)(1). Please credit or debit Deposit Account No. ____ as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
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- ☐ 4. (other):

Applicant does not believe that any additional fee is due in connection with the foregoing. However, any deficiencies may be charged to the deposit account 50-0860.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "William F. Ryann". The signature is fluid and cursive, with the first name "William" and last name "Ryann" clearly distinguishable.

William F. Ryann
Registration No. 44,313
Attorney for Applicant

Date: March 4, 2004
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Attorney Ref: ATMI-685

FORM PTO-1449		US Dept. of Commerce Patent and Trademark Office		ATTORNEY DOCKET NO. ATMI-685		SERIAL NO. 10/712,351	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT Xueping Xu, et al.			
				FILING DATE November 13, 2003		GROUP 1775	
U.S. PATENT DOCUMENTS							
EXAMINER TRADEMARK OFFICE		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,637,531	6/10/1997	Porowski, et al.			
	AB	5,679,152	10/21/1997	Tischler, et al.			
	AC	6,559,075	5/6/2003	Kelly, et al.			
	AD	6,413,627	7/2/2002	Motoki, et al.			
	AE	6,468,347	10/22/2002	Motoki, et al.			
	AF	2003/0080345	5/1/2003	Motoki, et al.			
	AG	2003/0145783	8/7/2003	Motoki, et al.			
	AH	6,440,823	8/27/2002	Vaudo, et al.			
	AI	6,488,767	12/3/2002	Xu, et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES NO
							X (abstract only)
OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)							
	AJ	S. Porowski, et al., J.Cryst. Growth, Vol. 78, 174, (1997)					
	AK	M. Bockowski, J. Cryst. Growth, Vol. 246, 194 (2002)					
	AL	M.K. Kelly, et al., Jpn. J. Appl. Phys.. Vol. 38, pp. L217-L219, (1999)					
	AM	Xu, et al., J. Electronic Materials, Vol. 31, 402, (2002)					
	AN	J. Crystal Growth, Vol. 246, 223 (2002) and Physica Status Solidi (c), (2003)					
Continue on Page							
EXAMINER					DATE CONSIDERED		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

